2-28-~~SS~~ SS

2671

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Case No. 13338US02

PATENT

Applicants:

A. G. MacInnis et al.

Serial No.: 09/437,579

Filed: November 9, 1999

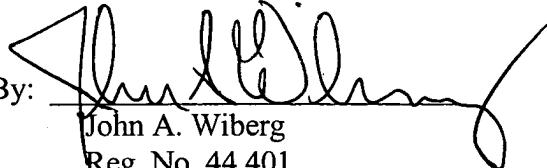
For: GRAPHICS ACCELERATOR

Group Art Unit: 2671

Examiner: K. Tung

) **EXPRESS MAIL**

) Express Mail Label No. EL649154848US

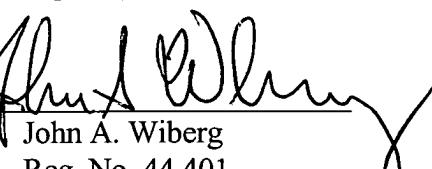
) Date: February 27, 2002) By: 
John A. Wiberg
Reg. No. 44,401**AMENDMENT TRANSMITTAL**Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Each item listed below is transmitted herewith:

 An amendment in the above-identified application.

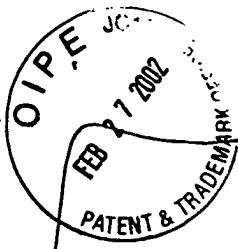
No fees are required.

 The Commissioner is hereby authorized to charge any fees which are presently required to
Deposit Account No. 13-0017.Date: February 27, 2002By: 
John A. Wiberg
Reg. No. 44,401**McANDREWS, HELD & MALLOY, LTD.**500 West Madison, 34th Floor
Chicago, IL 60661
312 775 8000**CUSTOMER NO.**

23446

PATENT TRADEMARK OFFICE





#20 Panel
D
5/2/02

Attorney Docket No. 13338US02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

A. G. MacInnis et al.

Serial No.: 09/437,579

Filed: November 9, 1999

For: GRAPHICS ACCELERATOR

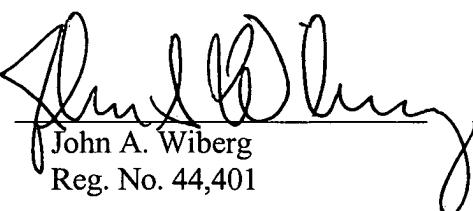
Group Art Unit: 2671

Examiner: K. Tung

) EXPRESS MAIL

) Express Mail Label No. EL649154848US

) Date: February 27, 2002

) By: 
John A. Wiberg
Reg. No. 44,401

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Applicants submit this amendment in response to the Office Action dated November 28, 2001.

IN THE CLAIMS:

Please cancel claims 25-28 without prejudice.

Amend claims 23 and 62 as follows:

23. (Thrice amended) A graphics accelerator comprising:
a local memory for storing graphics data, the graphics data including pixels;
a coprocessor for performing operations on a plurality of components of a pixel of
the graphics data; and
a direct memory access (DMA) engine for transferring the graphics data between
an external memory and the local memory, wherein the DMA engine moves data between

141